Digital Media Laboratory

Weekly Report   February 22, 2020

Mohammadreza Rezaei   Report No. 67

morezaei@ce.sharif.edu   98/11/26- 98/12/02

Abstract

1. Go back to Tehran
2. Display Advertising project
3. Reddit project

Description

1. **Go back to Tehran**
   I came back to Tehran.

2. **Display Advertising project**
   I went to Lab for the meeting but the it was canceled two days before that!

   I'm currently extracting DataDays challenge data and preparing for examining my idea.

3. **Reddit project**
   Erfan was called to work on DANI project for two weeks. It means that we can't finish the tasks as we have planned.

   We decided to implement Dual GCN (a GCN with two sets of weights for bipartite graphs) -> Erfan is not available right now, so i should try it myself.

   Tweak number of layers of GCN to make sure it doesn't help. -> Sadegh did it and its results wasn't so good. We need to try interpreting that result.

   Implement Hierarchical Bert model -> Sadegh

Next Week

- **Display Advertising project**

  Have a meeting with Abbas.

  Extract the data and implement my idea and get results.

- **Reddit project**

  Read the Gated Graph Sequence Neural Networks paper.

  Try to read GCN codes and implement Dual GCN (With two sets of params for two transitions in our bipartite graph (user $\rightarrow$ subreddit and subreddit $\leftarrow$ user))

  Search for BERT easy implementations and try to help Sadegh implementing hierarchical BERT + GCN.

  Have a meeting with Sina and ask Hamid if we will have a meeting with Ehsan.

- **CTB project**

  Try to finish the code.

- **AIC 2020 staff**

  Work on RL for the game.

References